MAR 0 8 2004 VP -016-CIP

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT

Applicant

Brian Banister

App. No.

10/080,751

Filed

February 22, 2002

For

METHOD AND APPARATUS FOR GENERATING TRANSMIT

ADAPTIVE ANTENNA
WEIGHTS WITH NULLING
USING BINARY GRADIENT

FEEDBACK

Group Art:

2631

Examiner:

Unknown

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service with sufficient postage as first-class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

On: March 3, 2004

Barbara S. Kelly

RECEIVED

INFORMATION DISCLOSURE STATEMENT

MAR 1 0 2004

Technology Center 2600

Commissioner for Patents P.O. Box 1450 Washington, DC 22313-1450

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97-1.98, information relating to the subject application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. §1.56(b).

- (X) No additional fee is due because this Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits of the above-identified application, in accordance with 37 CFR §1.97(b).
- (XX) Copies of each of the references listed on the attached modified Form PTO-1449 are enclosed herewith. All of the listed references are in the English language.

Respectfully submitted,

Date: March 3, 2004

Signature Erik M. Vieira Registration No. 53,723

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U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

VIA-016-CIP

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GROUP

2631

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)	
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					R	ECEIV)	
						MAR 1 0 2004	
					Tech	nology Center 2600	

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)				
 Rashid-Farrokhi, et al., "Transmit Beamforming and Power Control for Cellular Wireless Systems", IEEE Journal on Selected Areas in Communications, Vol. 16, No. 8, October, 1998, pp. 1437-1450.				
Heath, et al., "A Simple Scheme for Transmit Diversity Using Partial Channel Feedback", Information Systems Laboratory, IEEE, 1998, pp 1073-1078.				
Harrison, et al. (Motorola) "Open and Closed Loop Transmit Diversity at High Data Rates on 2 and 4 Elements", document #C30-199990817-017, submitted to 3GPP2 August 16-20, 1999, pp 1-5.				

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